

## FISH & WILDLIFE CROSSINGS—Crossing Structures #2 BRIDGES

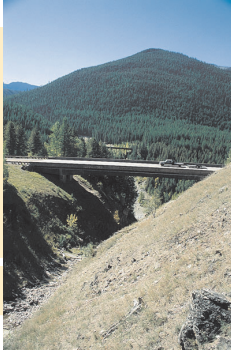


Photo by Chris Peterson -  
FHWA Web Page

### Open Span Bridge - US HWY 2

**Location:** Montana

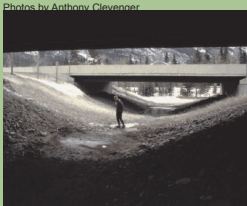
**Why built:** To accommodate motorists. A passage underneath was built with FHWA funds to facilitate mountain goat passage (Constructed in 1980).

**Suitable for:** Carnivores, ungulates, small mammals, fish, amphibians, and reptiles.

**Effectiveness:** 4 years after completion, all "crossing goats" in the area are now using the underpasses.



FHWA Web Page



**Healy**  
**Effectiveness:** Four grizzly crossings (same bear). Frequent use by black bears, wolves, cougar, coyote, and ungulates (11/96-6/00).

### Open Span Bridges - Trans-Canada Highway

**Location:** Banff National Park, Canada

**Why built:** 5-Mile Bridge was built to accommodate motorists. All other bridges shown were built to reduce roadkill and facilitate wildlife movement.

**Suitable for:** Carnivores, ungulates, small mammals, fish, amphibians, and reptiles.

**Effectiveness:** The 22 underpasses over a 28 mile stretch of road have reduced ungulate roadkills by 96 percent (FHWA web page). Bridges that span both water and land are considered by experts to be optimal for carnivores. See individual photos for more detail.



**Vermilion**  
**Effectiveness:** Used by black bears, wolves, cougar, coyote, and ungulates. (11/96-6/00).



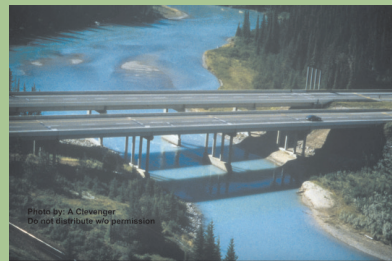
**Duthil**

**Effectiveness:** Two grizzly crossings. Frequent use by black bears, wolves, cougar, coyote, and ungulates. (11/96-6/00).



### Carrot Creek Bridge

**Effectiveness:** Two grizzly crossings. Frequent use by black bears, wolves, cougar, coyote, and ungulates. (11/96-6/00)



### 5 Mile Bridge

**Effectiveness:** This is an unconventional wildlife underpass, characterized by great breadth and openness. One of the few places large carnivores choose to cross the TCH (Clevinger, 1998).



## US 93 DESIGN DISCUSSIONS

Project Committee:

Montana Department of Transportation

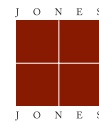
Federal Highway Administration

The Confederated Salish & Kootenai Tribes of the Flathead Nation

Prime Consultant: Skillings-Connolly, Inc. - Consulting Engineers

Evano to Polson, Montana

December 20, 2000



Architects & Landscape Architects

In order to facilitate the safe movement of wildlife across the landscape, wildlife crossing structures are necessary in many locations along US 93. This graphic looks at how wildlife crossings have been used successfully for other projects across North America. In particular, this sheet depicts open span bridges. By examining different types of crossing structures, we can determine which types of crossings are best suited for US 93.